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DATE: Monday, December 23, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
L7	L6 and phosphate	4	L7
L6	L4 and (chewing adj1 gum)	4	L6
L5	L4 and dirt	22	L5
L4	L3 and (remov\$ or clean\$)	103	L4
L3	L2 and (mist or ato\$)	103	L3
L2	L1 and inject\$	282	L2
L1	steam and (cleaning agent)	1097	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Monday, December 23, 2002

Set Name Query
side by side

Hit Count Set Name
result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L8	(134/36 OR 134/30 OR 134/19 OR 134/37 OR 134/21 OR 134/22.15).CCLS. and l2	26	L8
L7	L6 and phosphate	4	L7
L6	L4 and (chewing adj1 gum)	4	L6
L5	L4 and dirt	22	L5
L4	L3 and (remov\$ or clean\$)	103	L4
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L2	L1 and inject\$	282	L2
L1	steam and (cleaning agent)	1097	L1

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WEST[Generate Collection](#)[Print](#)**Search Results - Record(s) 2 through 11 of 22 returned.**☐ 2. Document ID: US 20020011260 A1

L5: Entry 2 of 22

File: PGPB

Jan 31, 2002

PGPUB-DOCUMENT-NUMBER: 20020011260
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020011260 A1

TITLE: Automatic empty container return machine equipped with self-cleaning arrangement

PUBLICATION-DATE: January 31, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Loning, Johann	Oldenburg		DE	
Hecht, Siegmard	Ilmenau		DE	

US-CL-CURRENT: 134/104.2

ABSTRACT:

An automatic empty container return machine includes a detection unit operable for identifying whether or not an empty container is of a predetermined category, an input unit located upstream of the detection unit for receiving empty containers to supply the empty containers to the detection unit, an output unit located downstream of the detection unit for receiving empty containers that have been identified by the detection unit as being of the predetermined category, a transport stage having a conveyor for transporting empty containers from the input unit through the detection unit to the output unit, and a self-cleaning arrangement having components integrated with at least one of the input unit, detection unit, output unit and transport stage and being operable at selected times to clean surfaces thereof that are preselected to be cleaned.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	IMC
Draw Desc	Image										

☐ 3. Document ID: US 6348101 B1

L5: Entry 3 of 22

File: USPT

Feb 19, 2002

US-PAT-NO: 6348101
DOCUMENT-IDENTIFIER: US 6348101 B1

TITLE: Methods for treating objects

DATE-ISSUED: February 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walter; Alan E.	Exton	PA		

US-CL-CURRENT: 134/1; 134/10, 134/11, 134/30, 134/31

ABSTRACT:

An object is treated by contacting it with an organic solvent and then removing the organic solvent by directly displacing it with a fluid comprising a drying vapor (e.g., isopropyl alcohol or IPA vapor) such that substantially no liquid droplets of organic solvent are left on the surfaces of the object to evaporate after the direct displacement of the organic solvent with the fluid.

27 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Drawn Desc	Image										

☐ 4. Document ID: US 6339165 B1

L5: Entry 4 of 22

File: USPT

Jan 15, 2002

US-PAT-NO: 6339165
DOCUMENT-IDENTIFIER: US 6339165 B1

TITLE: Fatty acid esters composition of a polyglycerine, and a process for the preparation thereof

DATE-ISSUED: January 15, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Endo; Toshio	Ohtake			JP
Daito; Terumasa	Sakai			JP

US-CL-CURRENT: 554/227; 516/27, 516/28, 516/29

ABSTRACT:

Disclosed are a fatty acid esters composition of a polyglycerine containing more than 70% of a fatty acid monoester which is defined by a specified analysis method, a process for the preparation thereof, a process for the preparation of a highly-purified fatty acid esters composition of a polyglycerine, and a highly-purified fatty acid esters composition of a polyglycerine having an oxirane oxygen concentration of below 100 ppm which is defined by a specified analysis method.

The fatty acid esters compositions of a polyglycerine are useful as additives for a variety of food-stuffs, additives for a variety of thermoplastic resins, and as additives for a variety of cosmetics or detergents.

12 Claims, 27 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC
Drawn Desc	Image									

☐ 5. Document ID: US 6278008 B1

L5: Entry 5 of 22

File: USPT

Aug 21, 2001

US-PAT-NO: 6278008

DOCUMENT-IDENTIFIER: US 6278008 B1

TITLE: Fatty acid esters composition of a polyglycerine, and uses thereof

DATE-ISSUED: August 21, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Endo; Toshio	Ohtake			JP
Daito; Terumasa	Sakai			JP

US-CL-CURRENT: 554/227; 426/329, 426/330, 426/331, 426/334, 516/DIG.1, 516/DIG.2, 516/DIG.6

ABSTRACT:

Disclosed are a fatty acid esters composition of a polyglycerine containing more than 70% of a fatty acid monoester which is defined by a specified analysis method, a process for the preparation thereof, a process for the preparation of a highly-purified fatty acid esters composition of a polyglycerine, and a highly-purified fatty acid esters composition of a polyglycerine having an oxirane oxygen concentration of below 100 ppm which is defined by a specified analysis method.

The fatty acid esters compositions of a polyglycerine are useful as additives for a variety of food-stuffs, additives for a variety of thermoplastic resins, and as additives for a variety of cosmetics or detergents.

24 Claims, 27 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 27

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	WORD
Draw Desc	Image									

☐ 6. Document ID: US 6207780 B1

L5: Entry 6 of 22

File: USPT

Mar 27, 2001

US-PAT-NO: 6207780

DOCUMENT-IDENTIFIER: US 6207780 B1

TITLE: Interpolymers of unsaturated carboxylic acids and unsaturated sulfur acids

DATE-ISSUED: March 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Stockhausen; Dolf	Krefeld			DE
Klimmek; Helmut	Krefeld			DE
Krause; Frank	Kleve			DE
Berghahn; Matthias	Krefeld			DE

US-CL-CURRENT: 526/287; 510/276

ABSTRACT:

The present invention relates to water-soluble polymers built up of

- a) monoethylenically unsaturated dicarboxylic acids and/or their salts,
- b) monoethylenically unsaturated monocarboxylic acids and/or their salts,
- c) monounsaturated monomers which, after hydrolysis or saponification, can be converted into monomers having a hydroxyl group covalently bonded at the C--C-chain,
- d) monoethylenically unsaturated sulfonic acid groups or sulfate groups-containing monomers, and optionally
- e) further radically copolymerizable monomers,

with the sum of the monomers of a) to e) amounting to 100%.

The present invention further relates to a process for the production of these polymers by radical polymerization and hydrolysis in aqueous medium, and to the use of these polymers as additive or cobuilder in detergents and cleaners, in the pretreatment of cotton, as bleaching stabilizers, as auxiliary agent in textile printing, and in the manufacture of leather, as well as for the inhibition of water hardness, and as dispersing agent as well as detergents and cleaners.

3 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC
Draw Desc	Image									

☐ 7. Document ID: US 6156472 A

L5: Entry 7 of 22

File: USPT

Dec 5, 2000

US-PAT-NO: 6156472

DOCUMENT-IDENTIFIER: US 6156472 A

TITLE: Method of manufacturing electrophotographic photosensitive member

DATE-ISSUED: December 5, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Segi; Yoshio	Nara			JP
Matsuoka; Hideaki	Nara			JP
Katagiri; Hiroyuki	Nara			JP
Takai; Yasuyoshi	Nara			JP

US-CL-CURRENT: 430/128; 430/127

ABSTRACT:

To provide an electrophotographic photosensitive member manufacturing method capable of preventing a substrate from corroding in working of the substrate and obtaining a high-quality image free from image defects and image density unevenness, the method of manufacturing an electrophotographic photosensitive member comprises the step of forming a functional film made of an amorphous material on the surface of an aluminum substrate by reduced-pressure vapor deposition, wherein the surface of the substrate is cleaned with the water containing an inhibitor as a specific component before the step of forming an electrophotographic photosensitive member.

45 Claims, 10 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 7

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC
Draw Desc	Image									

☐ 8. Document ID: US 6143087 A

L5: Entry 8 of 22

File: USPT

Nov 7, 2000

US-PAT-NO: 6143087
DOCUMENT-IDENTIFIER: US 6143087 A

TITLE: Methods for treating objects

DATE-ISSUED: November 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Walter; Alan E.	Exton	PA		

US-CL-CURRENT: 134/1; 134/10, 134/11, 134/30, 134/31

ABSTRACT:

An object is treated by contacting it with an organic solvent and then removing the organic solvent by directly displacing it with a fluid comprising a drying vapor (e.g., isopropyl alcohol or IPA vapor) such that substantially no liquid droplets of organic solvent or drying vapor are left on the surfaces of the object to evaporate after the direct displacement of the organic solvent with the fluid.

23 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWC
Draw Desc	Image									

☐ 9. Document ID: US 5891584 A

L5: Entry 9 of 22

File: USPT

Apr 6, 1999

US-PAT-NO: 5891584
DOCUMENT-IDENTIFIER: US 5891584 A

TITLE: Coated article for hot hydrocarbon fluid and method of preventing fuel thermal degradation deposits

DATE-ISSUED: April 6, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coffinberry; George A.	West Chester	OH		

US-CL-CURRENT: 428/552; 123/668, 123/670, 208/48R, 427/126.3, 427/248.1, 427/255.21,
427/255.36, 428/553, 428/565, 585/950

ABSTRACT:

Articles for hot hydrocarbon fluid wherein the surface for contacting the fluid is a diffusion barrier material or a catalytic material coated on a metal substrate. The material is either catalytically-inactive tantalum oxide which inhibits the formation of coke in the fluid or catalytically-active zirconium oxide which promotes the formation of a loosely adherent coke in the fluid while inhibiting the formation of gum in the fluid. The coating materials, i.e., the diffusion barrier coating material and the catalytic coating material, are deposited by chemical vapor deposition (CVD), e.g., by effusive chemical vapor deposition of an organometallic compound on the surface without the use of carrier gas, without pre-oxidation of the surface and without thermal decomposition of the diffusion barrier material or the catalytic coating material. The articles having the coated surfaces find utility in components subjected to high temperatures wherein the components are in contact with hydrocarbon fluids without additives, without special attention to quality control and without the need for special processing.

13 Claims, 11 Drawing figures
Exemplary Claim Number: 7
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

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☐ 10. Document ID: US 5823210 A

L5: Entry 10 of 22

File: USPT

Oct 20, 1998

US-PAT-NO: 5823210
DOCUMENT-IDENTIFIER: US 5823210 A

TITLE: Cleaning method and cleaning apparatus

DATE-ISSUED: October 20, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Inada; Minoru	Yokohama			JP
Imajo; Yasutaka	Hachioji			JP
Uchino; Masahide	Tokyo			JP

US-CL-CURRENT: 134/105; 134/102.3, 134/108, 134/131

ABSTRACT:

A part subjected to cleaning is cleaned or rinsed with a cleaning agent or rinsing agent having a nonaqueous type solvent or a hydrophilic solvent as a main component thereof. Then the cleaning agent or rinsing agent adhering to the cleaned or rinsed part subjected to cleaning is removed with a cleaning agent having perfluorocarbon as a main component thereof or the vapor of the cleaning agent. The part is subsequently dried. Otherwise, after the part subjected to cleaning has been cleaned with an aqueous type solvent or wash with water, the part is cleaned and dried with a cleaning agent having perfluorocarbon as a main component thereof or the vapor of the cleaning agent. The cleaning agent having perfluorocarbon as a main component thereof or the vapor of the cleaning agent can be used for cleaning or rinsing the part subjected to cleaning.

19 Claims, 10 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

☐ 11. Document ID: US 5805973 A

L5: Entry 11 of 22

File: USPT

Sep 8, 1998

US-PAT-NO: 5805973

DOCUMENT-IDENTIFIER: US 5805973 A

TITLE: Coated articles and method for the prevention of fuel thermal degradation deposits

DATE-ISSUED: September 8, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Coffinberry; George A.	West Chester	OH		
Ackerman; John F.	Cheyenne	WY		

US-CL-CURRENT: 428/551, 123/668, 208/48R, 427/126.3, 427/248.1, 427/255.19, 427/255.21, 427/255.28, 427/255.31, 428/552, 428/553, 428/565, 585/950

ABSTRACT:

Articles for hot hydrocarbon fluid wherein the surface for contacting the fluid is a metal oxide, amorphous glass or metal fluoride diffusion barrier material coated on a metal substrate. The metal oxide, amorphous glass or metal fluoride is deposited by chemical vapor deposition (CVD), e.g., by effusive CVD of an organometallic compound on the surface without the use of carrier gas, without pre-oxidation of the surface and without thermal decomposition of the diffusion barrier coating material. Examples of coating materials deposited by effusive CVD are SiO₂, TiO₂, spinel and Al₂O₃. The articles having the coated surfaces find utility in components subjected to high temperatures wherein the components are in contact with hydrocarbon fluids without additives, without special attention to quality control and without the need for special processing.

21 Claims, 19 Drawing figures

Exemplary Claim Number: 14

Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KMC

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Term	Documents
DIRT.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	104578
DIRTS.DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	1180
(4 AND DIRT).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	22
(L4 AND DIRT).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	22

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